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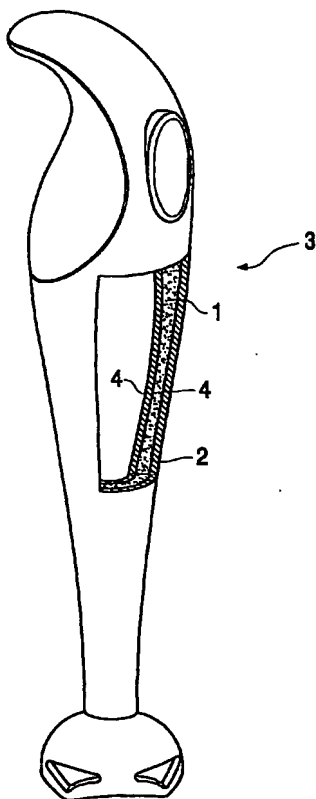
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(54) Title: **ELECTROCHEMICAL ENERGY SOURCE INTEGRALLY FORMED IN A NON-CONDUCTIVE CASING AND METHOD OF MANUFACTURING SUCH AN ELECTROCHEMICAL ENERGY SOURCE**



(57) Abstract: The invention relates to an electrochemical energy source integrally formed in a non-conductive casing, comprising: a first current collector embedded in said casing and further coupled to an anode, a second current collector embedded in said casing and coupled to a cathode, and an electrolyte and a separator between said anode and said cathode, wherein the casing comprises a portion of a housing of an electronic device. The invention further relates to a method of manufacturing an electrochemical energy source integrally formed in a non-conductive casing, wherein the casing comprises a portion of a housing of an electronic device, comprising the steps of: A) applying at least one electrochemical cell to said casing, which electrochemical cell comprises an anode, and a cathode, B) realizing a suitable configuration for said electrochemical cell, C) applying an electrolyte to said casing, and D) adapting the orientation of said casing such that said formed electrochemical energy source is at least substantially surrounded by said casing.

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